

Appl. No. 10/735,326  
Amdt. dated October 7, 2004  
Reply to Office action of July 9, 2004

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently amended) A removable wireless network adapter ~~adapted to mate for use~~ with a computer system, comprising:
  - wireless communication circuitry;
  - a bus connector ~~adapted to couple for coupling~~ the wireless communication circuitry to an expansion bus in the computer system;
  - an RF antenna for communication with a wireless network; and
  - a radio modem that converts between digital and modulated analog signals;
  - a housing for housing the wireless communication circuitry, radio modem and RF antenna; and
  - wherein the network adapter is adapted to fit fits in a recess formed in an outer surface of the computer system to thereby and when fitted in the recess, couple the bus connector couples to the expansion bus and permit the a portion of the exterior surface of the computer system to functions as a ground plane for the RF antenna.
2. (Currently amended) The wireless network adapter of claim 1, wherein the computer system comprises a laptop computer having a hinged display, and the network adapter ~~is adapted to fits~~ in a recess formed in an outer surface of the display.
3. (Currently amended) A wireless network adapter ~~adapted to mate that mates~~ with a computer system, comprising:
  - wireless communication circuitry ~~adapted to that fits~~ within a recess in an outer surface of the computer system;

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a bus connector adapted to couple the wireless communication circuitry to an expansion bus in the computer system;

an antenna for communication with a wireless network and adapted to fit within the recess; and

a detachable cover ~~adapted to that~~ encases the communication circuitry and antenna and covers the recess.

4. (Currently amended) The wireless network adapter of claim 3 wherein the computer system comprises a portable computer having a hinged display and the detachable cover ~~is adapted to covers~~ a recess formed in the display.

5. (Currently amended) A wireless network adapter ~~adapted to that~~ mates with a hinged lid of a laptop computer, comprising:

wireless communication circuitry;

an antenna coupled to the wireless communication circuitry;

wherein the communication circuitry and antenna ~~are adapted to attach to~~ the lid; and

a detachable cover ~~adapted to encases~~ the communication circuitry and antenna and ~~to adapted to functions~~ as a latch release for the lid of the laptop computer.

6. (Currently amended) The wireless network adapter of claim 5 wherein the ~~communication circuitry and antenna are adapted to detachable cover fits~~ in a recess formed in the lid and ~~the detachable cover is adapted to covers~~ the recess.

7. (New) A removable wireless network adapter as defined in claim 1, wherein the RF antenna comprises conductive material that is deposited on the housing.

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8. (New) A removable wireless network adapter as defined in claim 7, wherein the conductive material is in the shape of a company logo.

9. (New) A wireless network adapter as defined in claim 5, wherein the antenna comprises conductive material that is deposited on the detachable cover.

10. (New) A wireless network adapter as defined in claim 9, wherein the conductive material is in the shape of a company logo.

11. (New) A removable wireless network adapter as defined in claim 1, wherein the RF antenna is in a fixed location inside of the housing.

12. (New) A method for providing a wireless communication link for a computer that includes an exterior case having a recess, comprising:

inserting a detachable molding element that houses a wireless network adapter that includes wireless communication circuitry and an RF antenna for communication with a wireless network into the recess; and

automatically establishing an electrical interconnection between the wireless network adapter and the computer upon the detachable molding element being inserted into the recess.

13. (New) A method as defined in claim 12, wherein the detachable molding element covers the recess once it is inserted into the recess.

14. (New) A method as defined in claim 12, wherein the computer comprises a laptop computer having a lid and the detachable molding element functions as a latch release for the lid.

15. (New) A method as defined in claim 12, further comprising:  
securing the detachable molding element to the recess using one or more latches.